

# U.S. RADIOLOGIC TECHNOLOGISTS STUDY

Study ID:

Interviewer:

Job No.

Check if this  
is a job  
continuation

Edited by: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK HISTORY

[INTERVIEWER: FOR EACH JOB, WRITE THE STUDY ID AND JOB NUMBER IN THE ABOVE BOXES.]

C1. What is the name of FIRST/NEXT facility where you worked for 1 year or longer as a radiologic technologist?

C2. Where was that located? (*probe for city and state*):

CITY

STATE

Other

C3. Which of the following best describes this facility?  
[CHOOSE 1]

- ☐ Hospital  
☐ Physician(s) office or clinic  
☐ Dentist's office, or  
☐ something else (SPECIFY)

C4. What year did you START (working at this job)?

YEAR STARTED

C5. What year did you STOP (working at this job)?

YEAR STOPPED

Next I'm going to ask you about specific procedures you may have performed or assisted with on this job.

ONLY READ FOR FIRST JOB:

[I will ask how often you did various things as a part of this job. You don't need to know exact answers; I'll give you a list of categories to choose from that vary from question to question. Just choose the answers that best fit your experience.]

### ROUTINE DIAGNOSTIC X-RAY

C6. How many ROUTINE DIAGNOSTIC X-RAY procedures (such as chest x-rays, portable x-rays, etc.) did you perform or assist with during a typical week at this job? Would you say...

- ☐ zero (GO TO C9)  
☐ less than 10  
☐ 10-24  
☐ 25-49  
☐ 50-99  
☐ 100 or more

**C7. When performing ROUTINE DIAGNOSTIC X-RAY procedures, what percentage of the time were you inside the room?**

[If you were completely separated from the patient by walls and a door, this would be *outside* of the room. Standing behind a shield or partial wall open to the patient would be considered *inside* the room.]

- ☐ zero (GO TO C19)  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C7a. What percentage of the time did you wear a protective apron?**

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C7b. What percentage of the time did you stand behind a screen, shield or other protective enclosure?**

- ☐ zero (GO TO C8)  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C7c. How high did the screen, shield or other protective enclosure extend?**  
 [READ CHOICES]

- ☐ above your head  
☐ up to your shoulders  
☐ up to your waist

**C8. What percentage of patients being x-rayed did you hold during the x-rays? Would you say . . .**

- ☐ zero  
☐ < than 25%  
☐ 25-49%  
☐ 50% or more

**FLUOROSCOPY**

**C9. How many FLUOROSCOPY procedures did you perform or assist with during a typical week at this job? Would you say . . .**

- ☐ zero (GO TO C12)      ☐ 25-49  
☐ less than 10      ☐ 50-99  
☐ 10-24      ☐ 100 or more

**C10. When performing FLUOROSCOPY procedures, what percentage of the time were you inside the room?**

- ☐ zero (GO TO C11)  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C10a. What percentage of the time did you wear a protective apron?**

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C10b. What percentage of the time did you stand behind a screen, shield or other protective enclosure?**

- ☐ zero (GO TO C11)  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C10c. How high did the screen, shield or other protective enclosure extend?**  
 [READ CHOICES]

- ☐ above your head  
☐ up to your shoulders  
☐ up to your waist

**C11. What percentage of the FLUOROSCOPY procedures that you performed or assisted with were more than 15 minutes long? Was it . . .**  
 [READ CHOICES] [EXCLUDE SET-UP TIME.]

- ☐ zero  
☐ less than 25%  
☐ 25-49%  
☐ 50% or more

**DIAGNOSTIC RADIOISOTOPE**

**C12. How many DIAGNOSTIC RADIOISOTOPE procedures, such as using I-131 or technetium-99M, did you perform or assist with during a typical week at this job? Would you say...**

- ☐ zero (GO TO C18)      ☐ 25-49  
☐ less than 10      ☐ 50-99  
☐ 10-24      ☐ 100 or more

**C13. When performing DIAGNOSTIC RADIOISOTOPE procedures, what percentage of the time were you inside the room?**

- ☐ zero (GO TO C14)  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C13a. What percentage of the time did you wear a protective apron?**

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C14. When working with DIAGNOSTIC RADIOISOTOPES, how many injections did you perform, or assist with, during a typical week at this job? Was it...**

- ☐ zero (GO TO C15)  
☐ 1-9  
☐ 10-24  
☐ 25-49  
☐ 50 or more

**C14a. When doing injections, what percentage of the time did you use a protective shield around the injection device?**

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

**C15. When working with a patient given DIAGNOSTIC RADIOISOTOPES, how far from the patient were you usually ( $\geq 75\%$ ) standing?**

- ☐ less than 3 feet  
☐ 3-9 feet  
☐ 10 feet or more

**C16. When working with DIAGNOSTIC RADIOISOTOPES (during a typical week), how often did you elute generators (i.e., separate and measure a concentrated amount of isotope from its source for use in a radiopharmaceutical kit)?**

- ☐ never  
☐ once/week  
☐ 2-3 times per week  
☐ 4-9 times per week  
☐ 10 or more times per week

**C17. When working with DIAGNOSTIC RADIOISOTOPES, how often did you prepare the radiopharmaceutical kit (during a typical week)?**

- ☐ never  
☐ once/week  
☐ 2-3 times per week  
☐ 4-9 times per week  
☐ 10 or more times per week

## INTERNAL THERAPEUTIC RADIOISOTOPES

C18. Did you ever perform or assist with any INTERNAL THERAPEUTIC RADIOISOTOPE procedures, such as radium therapy, cesium 137, iridium 192, cobalt 60 or radioactive iodine?

- ☐ Yes  
☐ No (GO TO C22)  
☐ DK (GO TO C22)

C19. How many of these (internal) THERAPEUTIC RADIOISOTOPE procedures did you perform or assist with during a typical week at this job? Would you say...

- ☐ zero (GO TO C22)  
☐ 1  
☐ 2  
☐ 3  
☐ more than 3

C20. When doing (internal) THERAPEUTIC RADIOISOTOPE procedures, what percentage of the time were you inside the room?

- ☐ zero (GO TO C21)  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

C20a. What percentage of the time did you wear a protective apron?

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

C20b. What percentage of the time did you stand behind a screen, shield or other protective enclosure?

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

C21. What percentage of the time were you responsible for maintaining the radioisotope sources used for implants in the safe, or transporting them to the patient?

- ☐ zero  
☐ less than 25%  
☐ 25-74%  
☐ 75% or more

## EXTERNAL RADIATION THERAPY

C22. How many EXTERNAL BEAM THERAPY procedures, using equipment SUCH AS a betatron, Cobalt-60 teletherapy, Orthovoltage machine or linear accelerator did you perform or assist with during a typical week at this job? Would you say...

- ☐ zero (GO TO NEXT JOB OR D1)  
☐ less than 10  
☐ 10-24  
☐ 25-49  
☐ 50-99  
☐ 100 or more